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**TTL/"Human cells": 17 patents.**

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TTL/"Human cells"

**Pat. No. Title**

1. 5,994,617 Engraftment of immune-deficient mice with *human cells*
2. 5,952,200 Method of diagnosing cancer in *human cells* using a reverse transcriptase-polymerase chain reaction for identifying the presence of stromelysin-3
3. 5,939,266 In vitro assay for anticarcinogens using phenotypic transformation of *human cells*
4. 5,925,524 In vitro assay for carcinogens using phenotypic transformation of *human cells*
5. 5,856,185 Method for making reflection defective retroviral vectors for infecting *human cells*
6. 5,837,471 In vitro assay for biochemical mechanisms of carcinogenicity using phenotypic transformation of *human cells*
7. 5,763,180 In vitro assay for carcinogens using phenotypic transformation of *human cells*
8. 5,736,138 Monoclonal antibodies with specific binding against membrane proteins on *human cells*, and pharmaceutical compositions containing them
9. 5,707,968 Inhibition of attachment of H.influenzae to *human cells*
10. 5,683,991 Blocking the attachment of germs to *human cells*
11. 5,668,149 Inhibition of human immunodeficiency virus-1 infectivity in *human cells*
12. 5,643,880 Product for inhibition of attachment of H. influenzae to *human cells*
13. 5,550,036 Method for co-amplification of human protein C genes in *human cells*
14. 5,206,352 Compositions for clones containing DNA sequences associated with multidrug resistance in *human cells*
15. 4,753,874 Rapid mutation testing system for *human cells*
16. 4,649,106 Distinguishing subsets of *human cells*
17. 4,608,339 Protoplast fusion method for high-frequency DNA transfection in *human cells*

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United States Patent

5,994,617

Dick, et. al.

Nov. 30, 1999

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**Engraftment of immune-deficient mice with *human cells***


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### Abstract

A process for transplanting into an immunodeficient mouse, which is deficient in T-cells and B-cells, *human cells* to form a chimeric mouse is provided. The transplanted *human cells* proliferate and thereby permit in vivo study of the *human cells*. The *human cells* are isolated from a human tissue source. The process comprises:

- i) irradiating an immunodeficient mouse deficient in T-cells and B-cells with radiation to condition the mouse for transplant;
- ii) transplanting into the irradiated mouse, the isolated *human cells*; and
- iii) maintaining the mouse to proliferate the *human cells* in and permit the *human cells* to spread in the mouse,

to provide thereby a chimeric mouse incorporating the *human cells* in appropriate murine tissue.

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 Inventors: **Dick; John E.** (Toronto, CA); **Kamel-Reid; Suzanne** (Toronto, CA).

 Assignee: **HSC Research Development Corporation** (Ontario, CA).

 Appl. No.: **323,587**

 Filed: **Oct. 17, 1994**

### Related U.S. Application Data

Continuation of (including streamline cont.) Ser. No. 454,193, Dec. 21, 1989, abandoned, which is a continuation-in-part of Ser. No. 409,154, Sept. 19, 1989, abandoned.

### Foreign Application Priority Data

Sept. 19, 1988 [GB]

8821922

Intl. Cl. :

C12N 15/00, A61K 35/00

Current U.S. Cl.:

800/8; 424/93.1; 424/529; 424/573; 424/577

Field of Search:

800/2, DIG. 5; 424/9, 520, 573, 577

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Dec., 1995

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**26 Claims, 8 Drawing Figures**

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